



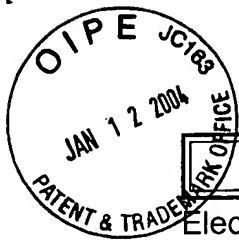
Electronic Filing System (EFS) Data  
Electronic Patent Application Submission  
USPTO Use Only

EFS ID: 53520  
Application ID: 10630640  
Title of Invention: REGULATION OF FLOW OF  
PROCESSING CHEMISTRY ONLY  
INTO A PROCESSING CHAMBER  
First Named Inventor: William Jones  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-07-29  
Effective Receipt Date: 2004-01-12  
Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 8274  
Attorney Docket Number: NONE



Total Fees Authorized:


Digital Certificate Holder: cn=Thomas B. Haverstock,ou=Registered Attorneys,ou=Patent and  
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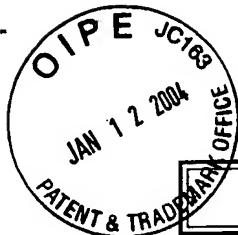


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Electronic Version v1.1

Stylesheet Version v1.1.0

Title of Invention	REGULATION OF FLOW OF PROCESSING CHEMISTRY ONLY INTO A PROCESSING CHAMBER									
Application Number: 10/630640 										
Date: 2003-07-29										
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<p>I hereby certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.</p> <p>I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.</p>										
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Electronic Version v18

Stylesheet Version v18.0

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<p>Application Number: 10/630640</p> <p>Confirmation Number: 8274</p> <p>First Named Applicant: William Jones</p> <p>Attorney Docket Number:</p> <p>Search string: ( 5304515 or 5306350 or 5312882 or 5313965 or 5314574 or 5316591 or 5320742 or 5328722 or 5334332 or 5334493 or 5337446 or 5339844 or 5352327 or 5355901 or 5356538 or 5364497 or 5368171 or 5370740 or 5370741 or 5370742 or 5377705 or 5401322 or 5403621 or 5403665 or 5404894 or 5412958 or 5417768 or 5433334 or 5447294 or 5456759 or 5470393 or 5474812 or 5482564 or 5486212 or 5494526 or 5500081 or 5501761 or 5503176 or 5505219 or 5509431 or 5514220 or 5522938 or 5526834 or 5533538 or 5547774 or 5550211 or 5571330 or 5580846 or 5589082 or 5589105 ).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>5304515</td><td>1994-04-19</td><td>Morita et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>5306350</td><td>1994-04-26</td><td>Hoy et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>5312882</td><td>1994-05-17</td><td>DeSimone et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>5313965</td><td>1994-05-24</td><td>Palen</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>5314574</td><td>1994-05-24</td><td>Takahashi</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>5316591</td><td>1994-05-31</td><td>Chao et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>5320742</td><td>1994-06-14</td><td>Fletcher et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>5328722</td><td>1994-07-12</td><td>Ghanayem et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>5334332</td><td>1994-08-02</td><td>Lee</td><td></td><td></td><td></td></tr><tr><td></td><td>10</td><td>5334493</td><td>1994-08-02</td><td>Fujita et al.</td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>							init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	5304515	1994-04-19	Morita et al.					2	5306350	1994-04-26	Hoy et al.					3	5312882	1994-05-17	DeSimone et al.					4	5313965	1994-05-24	Palen					5	5314574	1994-05-24	Takahashi					6	5316591	1994-05-31	Chao et al.					7	5320742	1994-06-14	Fletcher et al.					8	5328722	1994-07-12	Ghanayem et al.					9	5334332	1994-08-02	Lee					10	5334493	1994-08-02	Fujita et al.											
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	15	5356538	1994-10-18	Wai et al.
	16	5364497	1994-11-15	Chau et al.
	17	5368171	1994-11-29	Jackson
	18	5370740	1994-12-06	Chao et al.
	19	5370741	1994-12-06	Bergman
	20	5370742	1994-12-06	Mitchell et al.
	21	5377705	1995-01-03	Smith, Jr. et al.
	22	5401322	1995-03-28	Marshall
	23	5403621	1995-04-04	Jackson et al.
	24	5403665	1995-04-04	Alley et al.
	25	5404894	1995-04-11	Shiraiwa
	26	5412958	1995-05-09	Iliff et al.
	27	5417768	1995-05-23	Smith, Jr. et al.
	28	5433334	1995-07-18	Reneau
	29	5447294	1995-09-05	Sakata et al.
	30	5456759	1995-10-10	Stanford, Jr. et al.
	31	5470393	1995-11-28	Fukazawa
	32	5474812	1995-12-12	Truckenmuller et al.
	33	5482564	1996-01-09	Douglas et al.
	34	5486212	1996-01-23	Mitchell et al.
	35	5494526	1996-02-27	Paranjpe
	36	5500081	1996-03-19	Bergman
	37	5501761	1996-03-26	Evans et al.
	38	5503176	1996-04-02	Dunmire et al.
	39	5505219	1996-04-09	Lansberry et al.
	40	5509431	1996-04-23	Smith, Jr. et al.
	41	5514220	1996-05-07	Wetmore et al.
	42	5522938	1996-06-04	O'Brien
	43	5526834	1996-06-18	Mielnik et al.
	44	5533538	1996-07-09	Marshall
	45	5547774	1996-08-20	Gimzewski et al.
	46	5550211	1996-08-27	DeCrosta et al.

	47	5571330	1996-11-05	Kyogoku
	48	5580846	1996-12-03	Hayashida et al.
	49	5589082	1996-12-31	Lin et al.
	50	5589105	1996-12-31	DeSimone et al.

## Remarks

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## Signature

Examiner Name	Date



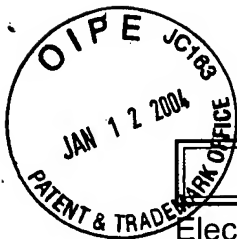
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First Named Inventor: William Jones  
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Attorney Docket Number: NONE






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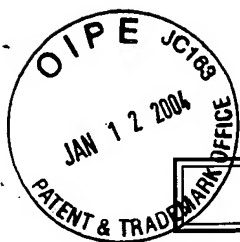
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Title of Invention	REGULATION OF FLOW OF PROCESSING CHEMISTRY ONLY INTO A PROCESSING CHAMBER																
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Electronic Version v18

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Title of  
Invention

REGULATION OF FLOW OF PROCESSING CHEMISTRY  
ONLY INTO A PROCESSING CHAMBER

Application Number: 10/630640



Confirmation Number: 8274

First Named Applicant: William Jones

Attorney Docket Number:

Search string: ( 5904737 or 5908510 or 5928389 or 5932100  
or 5934856 or 5934991 or 5944996 or 5955140  
or 5965025 or 5976264 or 5979306 or 5980648  
or 5981399 or 5989342 or 5992680 or 5994696  
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or 6159295 or 6164297 or 6171645 or 6186722  
or 6200943 or 6203582 or 6216364 or 6224774  
or 6228563 or 6228826 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5904737	1999-05-18	Preston et al.			
	2	5908510	1999-06-01	McCullough et al.			
	3	5928389	1999-07-27	Jevtic			
	4	5932100	1999-08-03	Yager et al.			
	5	5934856	1999-08-10	Asakawa et al.			
	6	5934991	1999-08-10	Rush			
	7	5944996	1999-08-31	DeSimone et al.			
	8	5955140	1999-09-21	Smith et al.			
	9	5965025	1999-10-12	Wai et al.			
	10	5976264	1999-11-02	McCullough et al.			



	11	5979306	1999-11-09	Fujikawa et al.	
	12	5980648	1999-11-09	Adler	
	13	5981399	1999-11-09	Kawamura et al.	
	14	5989342	1999-11-23	Ikeda et al.	
	15	5992680	1999-11-30	Smith	
	16	5994696	1999-11-30	Tai et al.	
	17	6001133	1999-12-14	DeYoung et al.	
	18	6005226	1999-12-21	Aschner et al.	
	19	6017820	2000-01-25	Ting et al.	
	20	6024801	2000-02-15	Wallace et al.	
	21	6029371	2000-02-29	Kamikawa et al.	
	22	6035871	2000-03-14	Eui-Yeol	
	23	6037277	2000-03-14	Masakara et al.	
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	25	6056008	2000-05-02	Adams et al.	
	26	6063714	2000-05-16	Smith et al.	
	27	6067728	2000-05-30	Farmer et al.	
	28	6077053	2000-06-20	Fujikawa et al.	
	29	6077321	2000-06-20	Adachi et al.	
	30	6082150	2000-07-04	Stucker	
	31	6085935	2000-07-11	Malchow et al.	
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	33	6099619	2000-08-08	Lansbarkis et al.	
	34	6100198	2000-08-08	Grieger et al.	
	35	6110232	2000-08-29	Chen et al.	
	36	6114044	2000-09-05	Houston et al.	
	37	6128830	2000-10-10	Bettcher et al.	
	38	6140252	2000-10-31	Cho et al.	
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	45	6200943	2001-03-13	Romack et al.	B1
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	50	6228826	2001-05-08	DeYoung et al.	B1

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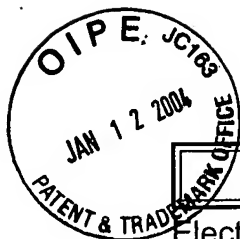
Filing Type:

Confirmation number: 8274

Attorney Docket Number: NONE

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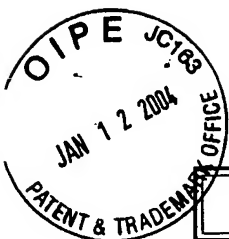


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or 20010041458 or 20020001929 or  
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or 20030008518 or 20030013311 or  
20030036023 or 20030047533 ).pn.

### US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5672204	1997-09-30	Habuka			
	2	5817178	1998-10-06	Mita et al.			
	3	6508259	2003-01-21	Tseronis et al.	B1		

### US Published Applications

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init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
	1	20010019857	2001-09-06	Yokoyama	A1		
	2	20010024247	2001-09-27	Nakata	A1		
	3	20010041455	2001-11-15	Yun et al.	A1		

	4	20010041458	2001-11-15	Ikakura et al.	A1
	5	20020001929	2002-01-03	Biberger et al.	A1
	6	20020055323	2002-05-09	McClain et al.	A1
	7	20020074289	2002-06-20	Sateria et al.	A1
	8	20020081533	2002-06-27	Simons et al.	A1
	9	20020088477	2002-07-11	Cotte et al.	A1
	10	20020098680	2002-07-25	Goldstein et al.	A1
	11	20020106867	2001-09-27	Yang et al.	A1
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	16	20020123229	2002-09-05	Ono et al.	A1
	17	20020127844	2002-09-12	Grill et al.	A1
	18	20020132192	2002-09-19	Namatsu	A1
	19	20020141925	2002-10-03	Wong et al.	A1
	20	20020142595	2002-10-03	Chiou	A1
	21	20020150522	2002-10-17	Heim et al.	A1
	22	20030003762	2003-01-02	Cotte et al.	A1
	23	20030008238	2003-01-09	Goldfarb et al.	A1
	24	20030008518	2003-01-09	Chang et al.	A1
	25	20030013311	2003-01-16	Chang et al.	A1
	26	20030036023	2003-02-20	Moreau et al.	A1
	27	20030047533	2003-03-13	Reid et al.	A1

## Remarks

Note: Remarks are not for responding to an office action.

Non US Patent and Publication references shall be filed under a separate paper transmittal. The current electronic filing contains part 7 out of a total of 7 electronic filings.

## Signature

Examiner Name	Date